

10-17-01

Box-Seq A

10/15/01

**UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
18810-81351Total Pages in this Submission
55

JIC853 U.S. PTO

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231JIC821 U.S. PTO
09/07/01 146

10/15/01

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

PTTG KNOCKOUT RODENT AS A MODEL TO STUDY MECHANISMS FOR VARIOUS PHYSIOLOGICAL PHENOMENA, INCLUDING DIABETES

and invented by:

Shlomo Melmed and Zhiyong Wang

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Which is a:

Continuation Divisional Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements1. Filing fee as calculated and transmitted as described below2. Specification having 40 pages and including the following:

- a. Descriptive Title of the Invention
- b. Cross References to Related Applications (*if applicable*)
- c. Statement Regarding Federally-sponsored Research/Development (*if applicable*)
- d. Reference to Microfiche Appendix (*if applicable*)
- e. Background of the Invention
- f. Brief Summary of the Invention
- g. Brief Description of the Drawings (*if drawings filed*)
- h. Detailed Description
- i. Claim(s) as Classified Below
- j. Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL (Small Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
18810-81351

Total Pages in this Submission
55

Application Elements (Continued)

3. Drawing(s) (*when necessary as prescribed by 35 USC 113*)
a. Formal b. Informal Number of Sheets _____ 7
4. Oath or Declaration
a. Newly executed (*original or copy*) Unexecuted
b. Copy from a prior application (37 CFR 1.63(d)) (*for continuation/divisional application only*)
c. With Power of Attorney Without Power of Attorney
d. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. Incorporation By Reference (*usable if Box 4b is checked*)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. Computer Program in Microfiche
7. Genetic Sequence Submission (*if applicable, all must be included*)
a. Paper Copy
b. Computer Readable Copy
c. Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. Assignment Papers (*cover sheet & documents*)
9. 37 CFR 3.73(b) Statement (*when there is an assignee*)
10. English Translation Document (*if applicable*)
11. Information Disclosure Statement/PTO-1449 Copies of IDS Citations
12. Preliminary Amendment
13. Acknowledgment postcard
14. Certificate of Mailing
 First Class Express Mail (*Specify Label No.*): EL 900687779 US

**UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
18810-81351

Total Pages in this Submission
55

Accompanying Application Parts (Continued)

15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Small entity status is entitled to be asserted for this application
17. Additional Enclosures (*please identify below*):

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

18. Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

**UTILITY PATENT APPLICATION TRANSMITTAL
(Small Entity)**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
18810-81351

Total Pages in this Submission
55

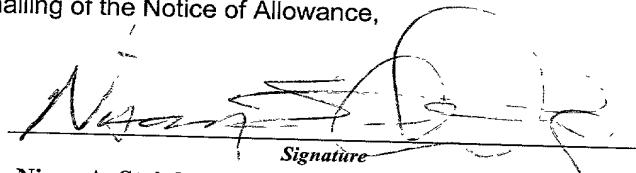
Fee Calculation and Transmittal

CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|---|--------|----------|--------|------------------|----------|
| Total Claims | 60 | - 20 = | 40 | x \$9.00 | \$360.00 |
| Indep. Claims | 5 | - 3 = | 2 | x \$42.00 | \$84.00 |
| Multiple Dependent Claims (check if applicable) | | ☒ | | | \$140.00 |
| | | | | BASIC FEE | \$370.00 |
| OTHER FEE (specify purpose) | | | | | \$0.00 |
| | | | | TOTAL FILING FEE | \$954.00 |

- A check in the amount of _____ to cover the filing fee is enclosed.
- The Commissioner is hereby authorized to charge and credit Deposit Account No. 50-1597 as described below. A duplicate copy of this sheet is enclosed.
- Charge the amount of \$954.00 as filing fee.
 - Credit any overpayment.
 - Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated: October 15, 2001



Signature

Nisan A. Steinberg, Ph.D.
Registration No. 40,345
Sidley Austin Brown & Wood
555 West Fifth Street
Los Angeles, California 90013-1010
Telephone: (213) 896-6000
Facsimile: (213) 896-6600

cc:

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Melmed et al.

Art Unit: Unassigned

Serial No.: Unassigned

Examiner: Unassigned

Filed: October 15, 2001

**For: PTTG KNOCKOUT RODENT AS A MODEL TO STUDY
MECHANISMS FOR VARIOUS PHYSIOLOGICAL PHENOMENA,
INCLUDING DIABETES**

CERTIFICATE OF EXPRESS MAILING

I HEREBY CERTIFY THAT THIS PAPER OR FEE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE AND LABEL INDICATED BELOW AND IS ADDRESSED TO BOX PATENT APPLICATION, THE ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D. C. 20231--.

October 15, 2001

Date of Deposit and Signature



Shirley Dow

EL 900 687 779 US

Express Label No.

DECLARATION UNDER 37 C.F.R. § 1.821 (f) and (g)

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D. C. 20231

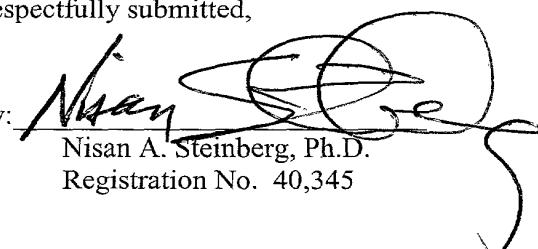
Dear Sir:

I, Nisan A. Steinberg, Ph.D., hereby state, as required by 37 C.F.R. § 1.821(f), that the content of the paper and computer readable copies of the enclosed sequence listing, submitted in accordance with 37 C.F.R. § 1.821(c) and (e), respectively, are to the best of my knowledge, the same, and are the same as the sequences disclosed in the application as filed.

I hereby also state, as required by 37 C.F.R. § 1.821(g), that to the best of my knowledge, the enclosed submission includes no new matter.

Respectfully submitted,

By:



Nisan A. Steinberg, Ph.D.
Registration No. 40,345

SIDLEY AUSTIN BROWN & WOOD
555 West Fifth Street
Los Angeles, California 90013-1010
Ofc: 213/ 896-6665
Fax: 213/896-6600